



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
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May 17, 1988

Mr. George A. Beamer
Product Development Engineer
Interpace Industries, Inc.
Highway 27
Mica, Washington 99023

Dear Mr. Beamer:

Re: Revised Reclamation Estimates, Pleasantview Pit - M/057/003,
Clinton Pit - M/049/006, Weber and Utah Counties, Utah

Enclosed are revised reclamation estimates for the Pleasantview and Clinton Pits. The estimates for a five year bond period are \$27,900 and \$90,200 respectively. Unit costs are based on the median value of the contractors' quotes which were provided by Mr. Brian Burnett.

It is recommended that one of the following two bonding options be pursued:

1. Obtain a self renewing irrevocable letter of credit for a five year period. A minimum of 90 days notice would have to be provided by the bank prior to expiration.
2. Start escrow accounts for the two sites which would gradually be added to until the dollar amounts listed above have been reached. An escrow account should be fully funded after five years. Interest earned on an escrow account after five years can be added to the account to cover future inflation.

Copies of the Division's collateral bonding form are enclosed. Please contact me or Frank Filas of my staff if you have any questions.

Sincerely,

Lowell P. Braxton
Administrator, Mineral Resource
Development and Reclamation Program

enclosure

cc: F. Filas

B. Burnett, C, D & N

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an equal opportunity employer

Reclamation Bond Estimate
Pleasantview Pit - M/057/003
by
Frank J. Filas
(Revised May 17, 1988)

Item I

Redistribute 10,000 yards of stockpiled material into existing pits.

Cost = 10,000 yds x \$1.00/yd = \$10,000

Item II

Recontour surface and distribute subsoil and topsoil over surface.

Equipment	\$Cost/Hr*	Hrs.	Cost
D-8 Dozer	110.00	58	\$ 6,380
3 yd Loader	60.00	24	1,440
7 yd Trucks	36.00	48	<u>1,730</u>
Sub Total			\$ 9,550

*Equipment costs are based on local contractor rates which were provided to the Division by Mr. Brian Burnett on May 10, 1988.

Item III

Prepare seedbed, seed and fertilize.

Tractor, disk, and two laborers for 10 hours.

\$65.00/hr x 10 hours = \$ 650

Seed and fertilizer cost

\$200/acre x 12 acres = \$2,400

Sub Total \$3,050

Total Cost

Item I	Redistribute Material	\$10,000
Item II	Grading and Recontouring	9,550
Item III	Seeding	<u>3,050</u>

Total \$22,600

Ten Percent Contingency \$ 2,260

Total in 1988\$ \$24,860

2.3% inflation added for five years (1993\$) \$27,900

Reclamation Cost Estimate
Clinton Pit, M/049/006
by
Frank Filas
(Revised May 17, 1988)

Backfill Cuts

A. Haul and place clay stockpiles and pads into the mined out cuts.

8,000 yards at \$1.50 per yard = \$12,000

B. Backfill waste material and subsoil into the Lehi Cut.

15,000 yards at \$1.50 per yard = \$22,500

C. Backfill waste material and subsoil into the North Cut.

D-8 Dozer:	10 hours at \$110 per hour	= \$1100
3 yd Loader:	16 hours at \$60 per hour	= 960
7 yd Trucks:	32 hours at \$36 per hour	= 1150

Subtotal = \$3210

D. Haul miscellaneous piles to the pits and backfill.

3 yd Loader:	16 hours at \$60 per hour	= \$ 960
7 yd Trucks:	32 hours at \$36 per hour	= 1150

Subtotal = \$2110

Total For All Backfilling = \$39,820

Grading and Recontouring

A. West Cut

D-8 Dozer: 36 hours at \$110 per hour = \$3960

B. Lehi Cut

D-8 Dozer: 16 hours at \$110 per hour = \$1760

C. North Cut

D-8 Dozer: 8 hours at \$110 per hour = \$ 880

Total For Grading and Recontouring = \$6600

Redistribute Topsoil and Prepare Seedbed

A. Spread Topsoil (assume 3 inches over 25 acres = 10,000 yards)

10,000 yards at \$1.50 per yard = \$15,000

B. Rip soil with dozer and multishank ripper

D-8 Dozer: 24 hours at \$110 per hour = \$2640

Total for Topsoiling = \$17,640

Broadcast Seeding

A. Tractor, operator, and laborer

60 hours at \$65 per hour = \$3900

B. Seed and fertilizer for 26 acres

26 acres at \$200 per acre = \$5200

Total for Broadcast Seeding = \$9,100

Summary of Reclamation Costs

<u>Item</u>	<u>Cost</u>
Backfill Pits	\$39,820
Grading and Recontouring	6,600
Topsoiling	17,640
Broadcast Seeding	<u>9,100</u>
Subtotal	\$73,160
Ten Percent Contingency	<u>\$ 7,316</u>
Total in 1988\$	\$80,476
2.3 % inflation added for 5 years (1993\$)	\$90,200

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